

Updating Denali Software

on the

M2M Smart Services Developers Kit

Overview

This document describes the process for updating your Kontron M2M Smart Services Developers Kit to the current release of the Denali.

This update is required for the development kit to successfully connect to the current release of the Eurotech Everywhere Cloud.

Preparation

You will need the following to perform the updates:

- “Target System”: Your development kit with a DVI/HDMI monitor and USB keyboard, connected to your local area network (LAN) via Ethernet.
- “Host Computer”: A computer with a web browser connected to your LAN
- Familiarity with
 - the *Wind River Linux LiveUSB Getting Started Guide*,
 - the *Kontron M2M Smart Services Evaluation Tutorial*, and
 - the *Denali User Manual*.

Note that these instructions assume that your LAN includes a DHCP server that will provide connected the Target System with access to the Internet.

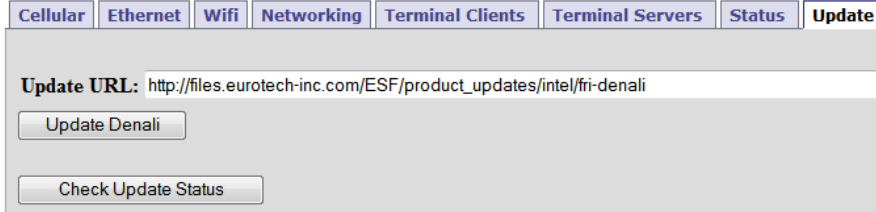
Updating the Development Kit

The update consists of connecting the Target System to the Internet via DHCP on your network, then initiating the automated update process.

1. Configure the Target System so that it can access the Internet:
 - a. Set the Host Computer address to 172.31.255.254
 - b. Point the Host Computer web browser to the Target system at 172.31.255.1
 - c. Change the Target System’s Ethernet settings so that **Use DHCP?** is “Yes”
 - d. Submit the new configuration
 - e. Power-cycle the Target System
 - f. Restore the previous Ethernet settings to the Host Computer
2. Determine the IP address of the Target System:
 - a. On the Target System monitor/keyboard, log into the command line console.
 - b. Type “ifconfig eth0” at the command prompt to get the IP address

3. Update the Target System firmware:
 - a. From the Host Computer, browse to the Target System at its current IP address
 - b. On the *Update* tab of the Denali Web configuration page, enter the following update URL:

http://files.eurotech-inc.com/ESF/product_updates/intel/fri-denali



The screenshot shows a web interface with a navigation bar at the top containing tabs: Cellular, Ethernet, Wifi, Networking, Terminal Clients, Terminal Servers, Status, and Update. The 'Update' tab is selected. Below the tabs, there is a text input field labeled 'Update URL:' containing the URL 'http://files.eurotech-inc.com/ESF/product_updates/intel/fri-denali'. Below the input field are two buttons: 'Update Denali' and 'Check Update Status'.

- c. Click the **Update Denali** button to initiate the update process.
4. Monitor Progress of the Updates



Depending on the size and number of updates that have to be performed, the update process may take a significant amount of time. Do not remove power or perform a reboot until the updates have completed.

Click the **Check Update Status** button to check on the progress of an update. A prominent warning message will be displayed on the Status and Update tabs to warn you that a software update has started but is not yet completed.

If more than one update is available at the update site, updates will be performed in numerical order, one after the other. This may require some time to complete, and may require multiple reboots in between updates.